

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1. (original) A composition comprising:
 - (a) at least one regulator of lipid metabolism;
 - (b) at least one regulator of polysaccharide metabolism;
 - (c) at least one regulator of cellular protein metabolism; and
 - (d) at least one regulator of nucleic acid metabolism,wherein the composition is formulated as a cosmetic blend.
2. (original) The composition of claim 1, wherein the composition is comprised in a cosmetic vehicle.
3. (original) The composition of claim 2, wherein the cosmetic vehicle comprises an emulsion, a cream, a lotion, a solution, an anhydrous base, a gel, or an ointment.
4. (original) The composition of claim 3, wherein the emulsion is an oil in water emulsion or a water in oil emulsion.
5. (original) The composition of claim 3, wherein the solution is an aqueous solution or hydro-alcoholic solution.
6. (original) The composition of claim 3, wherein the anhydrous base is a lipstick or a powder.
7. (original) The composition of claim 1, wherein the composition is comprised in an anti-aging product or a moisturizing product.
8. (original) The composition of claim 1, wherein the composition is adapted for application at least once a day during use.

9. (original) The composition of claim 1, wherein the composition is adapted for application at least twice a day during use.
10. (original) The composition of claim 1, wherein the at least one regulator of lipid metabolism is selected from the group consisting of sodium citrate, linoleic acid, linolenic acid, biotin, glucose, sodium acetate, mevalonic acid, and serine, or derivatives thereof.
11. (original) The composition of claim 1, wherein the at least one regulator of polysaccharide metabolism is selected from the group consisting of galactosamine, glucosamine, xylose, and magnesium chloride, or derivatives thereof.
12. (original) The composition of claim 1, wherein the at least one regulator of cellular protein metabolism is an amino acid, or derivatives thereof.
13. (currently amended) The composition of claim 12, wherein the amino acid is an essential amino acid or a non-essential amino acid, or derivatives thereof.
14. (currently amended) The composition of claim 13, wherein the amino acid is an essential amino acid non-essential amino acid is selected from the group consisting of arginine, histidine, isoleucine, leucine, lysine, methionine, phenylalanine, threonine, tryptophan, and valine, or derivatives thereof.
15. (currently amended) The composition of claim [[12]] 13, wherein the amino acid is a non-essential amino acid selected from the group consisting of serine, aspartic acid, glutamic acid, asparagine, glutamine, alanine, tyrosine, cysteine, glycine, and proline, or derivatives thereof.
16. (original) The composition of claim 1, wherein the at least one regulator of nucleic acid metabolism is selected from the group consisting of sodium bicarbonate, aspartic acid, sodium phosphate, niacin, glutamine, and glucose, or derivatives thereof.

17. (currently amended) The composition of claim 1, wherein the composition comprises from about 0.001% to about 5.0% by weight of the composition of at least one regulator of lipid metabolism.
18. (currently amended) The composition of claim 1, wherein the composition comprises from about 0.001% to about 5.0% by weight of the composition of at least one regulator of polysaccharide metabolism.
19. (currently amended) The composition of claim 1, wherein the composition comprises from about 0.001% to about 5.0% by weight of the composition of at least one regulator of cellular protein metabolism.
20. (currently amended) The composition of claim 1, wherein the composition comprises from about 0.001% to about 5.0% by weight of the composition of at least one regulator of cellular protein metabolism.
21. (withdrawn and currently amended) A method of treating ~~or preventing~~ aged or damaged skin comprising topical application of [[a]] the composition of claim 1 to skin comprising:
 - (a) ~~at least one regulator of lipid metabolism;~~
 - (b) ~~at least one regulator of polysaccharide metabolism;~~
 - (c) ~~at least one regulator of cellular protein metabolism; and~~
 - (d) ~~at least one regulator of nucleic acid metabolism,~~wherein [[the]] application of the composition to skin treats ~~or prevents~~ aged or damaged skin.
22. (withdrawn) The method of claim 21, wherein the composition is chemically compatible.
23. (withdrawn) The method of claim 21, wherein the damaged skin comprises nutritionally compromised skin or environmentally damaged skin.

24. (withdrawn) The method of claim 23, wherein the environmentally damaged skin comprises skin damaged by u.v. light, chronic sun exposure, environmental pollutants, chemicals, disease pathologies, or smoking.
25. (withdrawn) The method of claim 21, wherein the composition is further defined as a cosmetic composition.
26. (withdrawn) The method of claim 21, wherein the composition is comprised in a cosmetic vehicle.
27. (withdrawn) The method of claim 26, wherein the cosmetic vehicle comprises an emulsion, a cream, a lotion, a solution, an anhydrous base, a gel, or an ointment.
28. (withdrawn) The method of claim 27, wherein the emulsion is an oil in water emulsion or a water in oil emulsion.
29. (withdrawn) The method of claim 27, wherein the solution is an aqueous solution or hydro-alcoholic solution.
30. (withdrawn) The method of claim 27, wherein the anhydrous base is a lipstick or a powder.
31. (withdrawn) The method of claim 21, wherein the composition is comprised in an anti-aging product or a moisturizing product.
32. (withdrawn) The method of claim 21, wherein the composition is applied at least once a day.
33. (withdrawn) The method of claim 32, wherein the composition is applied at least twice a day.
34. (withdrawn) The method of claim 21, wherein at least one regulator of lipid metabolism is selected from the group consisting of sodium citrate, linoleic acid, linolenic acid, biotin, glucose, sodium acetate, mevalonic acid, and serine, or derivatives thereof.

35. (withdrawn) The method of claim 21, wherein at least one regulator of polysaccharide metabolism is selected from the group consisting of galactosamine, glucosamine, xylose, and magnesium chloride, or derivatives thereof.
36. (withdrawn) The method of claim 21, wherein at least one regulator of cellular protein metabolism is an amino acid, or derivatives thereof.
37. (withdrawn) The method of claim 36, wherein the amino acid is a non-essential amino acid, or derivatives thereof.
38. (withdrawn) The method of claim 37, wherein the non-essential amino acid is selected from the group consisting of arginine, histidine, isoleucine, leucine, lysine, methionine, phenylalanine, threonine, tryptophan, and valine, or derivatives thereof.
39. (withdrawn) The method of claim 36, wherein the amino acid is selected from the group consisting of serine, aspartic acid, glutamic acid, asparagine, glutamine, alanine, tyrosine, cysteine, glycine, and proline, or derivatives thereof.
40. (withdrawn) The method of claim 21, wherein at least one regulator of nucleic acid metabolism is selected from the group consisting of sodium bicarbonate, aspartic acid, sodium phosphate, niacin, glutamine, and glucose, or derivatives thereof.
41. (withdrawn and currently amended) The method of claim 21, wherein the composition comprises from about 0.001% to about 5.0% by weight of the composition of at least one regulator of lipid metabolism.
42. (withdrawn and currently amended) The method of claim 21, wherein the composition comprises from about 0.001% to about 5.0% by weight of the composition of at least one regulator of polysaccharide metabolism.
43. (withdrawn and currently amended) The method of claim 21, wherein the composition comprises from about 0.001% to about 5.0% by weight of the composition of at least one regulator of cellular protein metabolism.

44. (withdrawn and currently amended) The method of claim 21, wherein the composition comprises from about 0.001% to about 5.0% by weight of the composition of at least one regulator of cellular protein metabolism.

45. (new) The composition of claim 1, wherein the composition comprises:

- (a) glucose and linoleic or linolenic acid as regulators of lipid metabolism;
- (b) glucosamine and galactosamine as regulators of polysaccharide metabolism;
- (c) an essential amino acid or a non-essential amino acid as a regulator of cellular protein metabolism; and
- (d) sodium bicarbonate and glutamine as regulators of nucleic acid metabolism.

46. (new) The composition of claim 1, wherein the composition comprises:

- (a) sodium citrate, linoleic acid, linolenic acid, biotin, glucose, sodium acetate, mevalonic acid, and serine as regulators of lipid metabolism;
- (b) galactosamine, glucosamine, xylose, and magnesium chloride or Mg^{++} as regulators of polysaccharide metabolism;
- (c) an essential amino acid or a non-essential amino acid as a regulator of cellular protein metabolism; and
- (d) sodium bicarbonate, aspartic acid, sodium phosphate, niacin, and glutamine as regulators of nucleic acid metabolism.